SEQUENCE LISTING

<110> Zhou, Qun-Yong
Ehlert, Frederick

<120> Prokineticin Polypeptides, Related
Compositions and Methods

<130> P-UC 5016

<150> 60/245,882
<151> 2000-11-03

<160> 19

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<213> Homo sapiens

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<222> (55)...(369)

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Arg Gly Ala Thr Arg Val Ser Ile Met Leu Leu Leu Val Thr Val Ser
5 10 15

gac tgt gct gtg atc aca ggg gcc tgt gag cgg gat gtc cag tgt ggg 153
Asp Cys Ala Val Ile Thr Gly Ala Cys Glu Arg Asp Val Gln Cys Gly
20 25 30

gca ggc acc tgc tgt gcc atc agc ctg tgg ctt cga ggg ctg cgg atg 201
Ala Gly Thr Cys Cys Ala Ile Ser Leu Trp Leu Arg Gly Leu Arg Met
35 40 45

tgc acc ccg ctg ggg cgg gaa ggc gag gag tgc cac ccc ggc agc cac 249
Cys Thr Pro Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser His
50 55 60 65

aag gtc ccc ttc ttc agg aaa cgc aag cac cac acc tgt cct tgc ttg 297
Lys Val Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys Leu
70 75 80

ccc aac ctg ctg tgc tcc agg ttc ccg gac ggc agg tac cgc tgc tcc 345

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Pro Asn Leu Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys Ser
             85                  90                  95

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Met Asp Leu Lys Asn Ile Asn Phe
        100                 105

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<210> 2
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            20                  25                  30
Gly Ala Gly Thr Cys Cys Ala Ile Ser Leu Trp Leu Arg Gly Leu Arg
        35                  40                  45
Met Cys Thr Pro Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser
    50                  55                  60
His Lys Val Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys
65                  70                  75                  80
Leu Pro Asn Leu Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys
                85                  90                  95
Ser Met Asp Leu Lys Asn Ile Asn Phe
            100                 105
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<210> 3
<211> 86
<212> PRT
<213> Homo sapiens

<400> 3

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Thr Cys Cys Ala Ile Ser Leu Trp Leu Arg Gly Leu Arg Met Cys Thr
            20                  25                  30
Pro Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser His Lys Val
        35                  40                  45
Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys Leu Pro Asn
    50                  55                  60
Leu Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys Ser Met Asp
65                  70                  75                  80
Leu Lys Asn Ile Asn Phe
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<213> Homo sapiens

<220>
<221> CDS
<222> (10)...(333)

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ctg ccg ccg ctg ctg ctc acg ccc cgc gct ggg gac gcc gcc gtg atc   99
Leu Pro Pro Leu Leu Leu Thr Pro Arg Ala Gly Asp Ala Ala Val Ile
 15                  20                  25                  30

acc ggg gct tgt gac aag gac tcc caa tgt ggt gga ggc atg tgc tgt   147
Thr Gly Ala Cys Asp Lys Asp Ser Gln Cys Gly Gly Gly Met Cys Cys
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gct gtc agt atc tgg gtc aag agc ata agg att tgc aca cct atg ggc   195
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             50                  55                  60

aaa ctg gga gac agc tgc cat cca ctg act cgt aaa gtt cca ttt ttt   243
Lys Leu Gly Asp Ser Cys His Pro Leu Thr Arg Lys Val Pro Phe Phe
         65                  70                  75

ggg cgg agg atg cat cac act tgc cca tgt ctg cca ggc ttg gcc tgt   291
Gly Arg Arg Met His His Thr Cys Pro Cys Leu Pro Gly Leu Ala Cys
     80                  85                  90

tta cgg act tca ttt aac cga ttt att tgt tta gcc caa aag           333
Leu Arg Thr Ser Phe Asn Arg Phe Ile Cys Leu Ala Gln Lys
 95                  100                 105

taatcgctct ggagtagaaa ccaaatgtga atagccacat cttacctgta aagtcttact 393
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<213> Homo sapiens

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            20   25   30
Ala Cys Asp Lys Asp Ser Gln Cys Gly Gly Gly Met Cys Cys Ala Val
        35   40   45
Ser Ile Trp Val Lys Ser Ile Arg Ile Cys Thr Pro Met Gly Lys Leu
    50   55   60
Gly Asp Ser Cys His Pro Leu Thr Arg Lys Val Pro Phe Phe Gly Arg
65   70   75   80
Arg Met His His Thr Cys Pro Cys Leu Pro Gly Leu Ala Cys Leu Arg
                85   90   95
Thr Ser Phe Asn Arg Phe Ile Cys Leu Ala Gln Lys
            100   105

<210> 6
<211> 81
<212> PRT
<213> Homo sapiens

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            20   25   30
Pro Met Gly Lys Leu Gly Asp Ser Cys His Pro Leu Thr Arg Lys Val
        35   40   45
Pro Phe Phe Gly Arg Arg Met His His Thr Cys Pro Cys Leu Pro Gly

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    50                  55                  60
Leu Ala Cys Leu Arg Thr Ser Phe Asn Arg Phe Ile Cys Leu Ala Gln
65                  70                  75                  80
Lys
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<210> 7
<211> 21
<212> PRT
<213> Homo sapiens

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<210> 8
<211> 21
<212> PRT
<213> Homo sapiens

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 1   5   10   15
Lys Arg Lys Lys Glu
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<210> 9
<211> 19
<212> PRT
<213> Homo sapiens

<400> 9
Met Arg Gly Ala Thr Arg Val Ser Ile Met Leu Leu Leu Val Thr Val
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Ser Asp Cys

<210> 10
<211> 26
<212> PRT
<213> Homo sapiens

<400> 10
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<210> 11
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<212> PRT
<213> Bombina variegata

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            20   25   30
Gly Ser Gly Thr Cys Cys Ala Ala Ser Ala Trp Ser Arg Asn Ile Arg
        35   40   45
Phe Cys Ile Pro Leu Gly Asn Ser Gly Glu Asp Cys His Pro Ala Ser
    50   55   60
His Lys Val Pro Tyr Asp Gly Lys Arg Leu Ser Ser Leu Cys Pro Cys
65   70   75   80
Lys Ser Gly Leu Thr Cys Ser Lys Ser Gly Glu Lys Phe Lys Cys Ser
                85   90   95

<210> 12
<211> 81
<212> PRT
<213> Dendroaspis polylepis polylepis

<400> 12
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            20   25   30
Pro Val Gly Thr Ser Gly Glu Asp Cys His Pro Ala Ser His Lys Ile
        35   40   45
Pro Phe Ser Gly Gln Arg Lys Met His His Thr Cys Pro Cys Ala Pro
    50   55   60
Asn Leu Ala Cys Val Gln Thr Ser Pro Lys Lys Phe Lys Cys Leu Ser
65   70   75   80
Lys

<210> 13
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<212> PRT
<213> Artificial Sequence

<220>
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 1   5   10   15

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20 25 30
Pro Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser His Lys Val
35 40 45
Pro Phe Phe Gly Arg Arg Met His His Thr Cys Pro Cys Leu Pro Gly
50 55 60
Leu Ala Cys Leu Arg Thr Ser Phe Asn Arg Phe Ile Cys Leu Ala Gln
65 70 75 80
Lys

<210> 14
<211> 86
<212> PRT
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<400> 14
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20 25 30
Pro Met Gly Lys Leu Gly Asp Ser Cys His Pro Leu Thr Arg Lys Val
35 40 45
Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys Leu Pro Asn
50 55 60
Leu Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys Ser Met Asp
65 70 75 80
Leu Lys Asn Ile Asn Phe
85

<210> 15
<211> 89
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Gly Ala Gly Thr Cys Cys Ala Ile Ser Leu Trp Leu Arg Gly Leu Arg
20 25 30
Met Cys Thr Pro Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser
35 40 45
His Lys Val Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys
50 55 60
Leu Pro Asn Leu Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys

65 70 75 80
Ser Met Asp Leu Lys Asn Ile Asn Phe
85

<210> 16
<211> 85
<212> PRT
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<400> 16
Val Ile Thr Gly Ala Cys Glu Arg Asp Val Gln Cys Gly Ala Gly Thr
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Cys Cys Ala Ile Ser Leu Trp Leu Arg Gly Leu Arg Met Cys Thr Pro
20 25 30
Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser His Lys Val Pro
35 40 45
Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys Leu Pro Asn Leu
50 55 60
Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys Ser Met Asp Leu
65 70 75 80
Lys Asn Ile Asn Phe
85

<210> 17
<211> 86
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<220>
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<400> 17
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Thr Cys Cys Ala Ile Ser Leu Trp Leu Arg Gly Leu Arg Met Cys Thr
20 25 30
Pro Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser His Lys Val
35 40 45
Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys Leu Pro Asn
50 55 60
Leu Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys Ser Met Asp
65 70 75 80
Leu Lys Asn Ile Asn Phe
85

<210> 18
<211> 87

<212> PRT
<213> Artificial Sequence

<220>
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<400> 18
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Gly Thr Cys Cys Ala Ile Ser Leu Trp Leu Arg Gly Leu Arg Met Cys
            20   25   30
Thr Pro Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser His Lys
        35   40   45
Val Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys Leu Pro
    50   55   60
Asn Leu Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys Ser Met
65   70   75   80
Asp Leu Lys Asn Ile Asn Phe
                85

<210> 19
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<212> PRT
<213> Artificial Sequence

<220>
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